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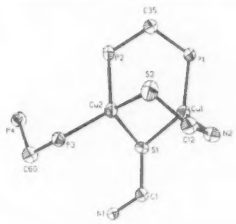
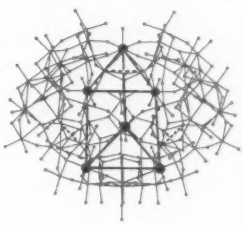
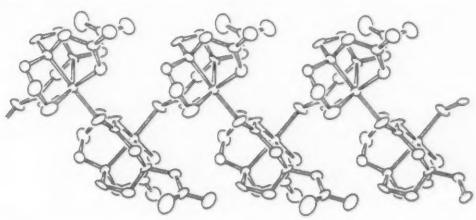
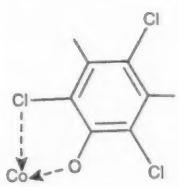
Complexes of copper(I), silver(I), nickel(II) and cadmium(II) with 6-tert-butyldimethylsilylpyridine-2-thionate (6-Bu^t SidmepyS$^-$): crystal structure of [Cu_2(6-Bu^{t}SidmepyS)$_2$-dppm$_2$] ..... 1 P. Pérez-Lourido, J.A. García-Vázquez, J. Romero, M.S. Louro, A. Sousa, J. Zubieta	
Stepwise substituting magnetic centres in a giant cluster host system ..... 9 A. Müller, W. Plass, E. Krickemeyer, R. Sessoli, D. Gatteschi, J. Meyer, H. Bögge, M. Kröckel, A.X. Trautwein	
Syntheses and properties of bivalent metal complexes with *N*-(2-hydroxyethyl)ethylenediamine-*N*,*N*′,*N*′-triacetic acid and the crystal structure of *N*-(2-hydroxyethyl)ethylenediamine-*N*,*N*′,*N*′-triacetato-copper(II) monohydrate ..... 13 M. Akazawa, Y. Inomata, T. Takeuchi, F.S. Howell	
Transition metal compounds of chlorophenols: synthesis, characterization and single-crystal X-ray structures of (*N*,*N*,*N*′,*N*′-tetramethylethylenediamine)bis(2,4,6-trichlorophenolato)cobalt(II) and bis(*N*-methylimidazole)bis(2,6-dichlorophenolato)copper(II) ..... 19 M. Baştürkmen, D. Kısakürek, W. Driessen, S. Gorter, J. Reedijk	

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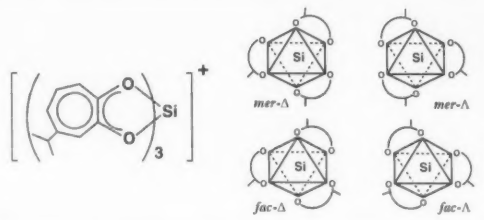

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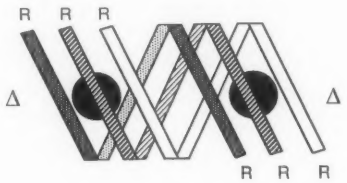

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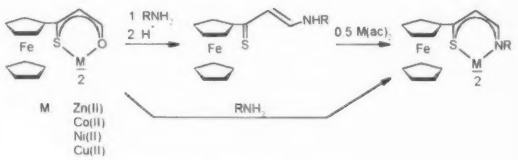

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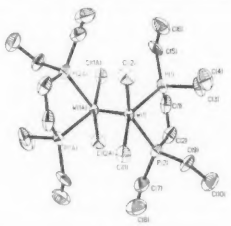

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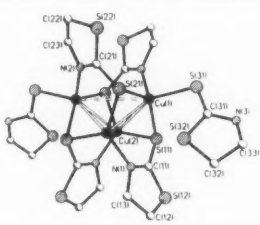

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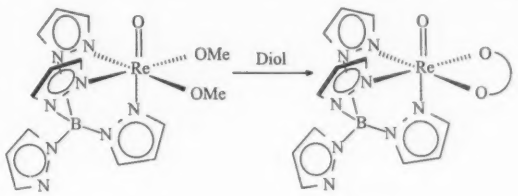

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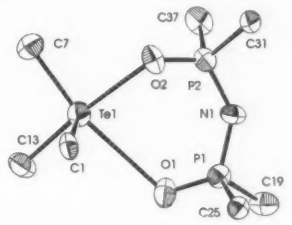

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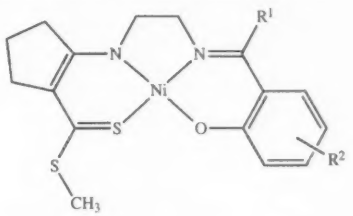

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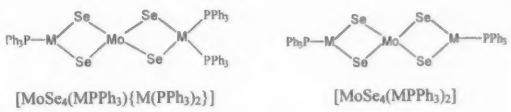

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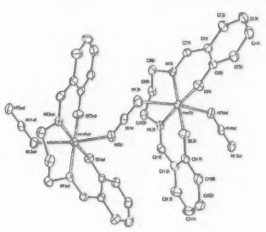

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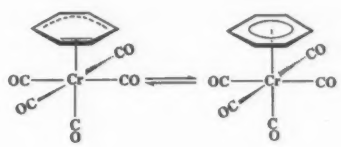

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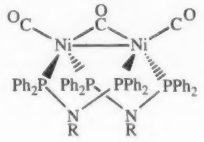

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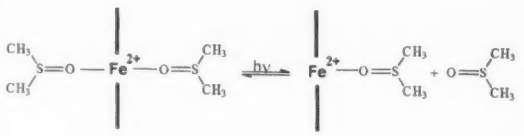

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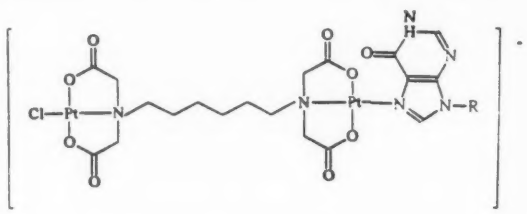

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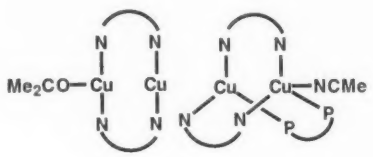

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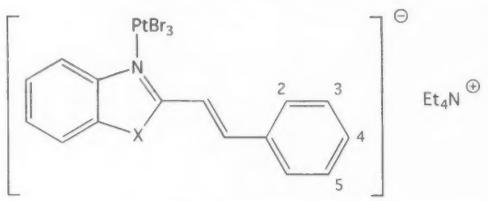

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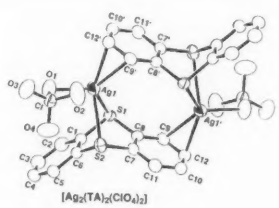

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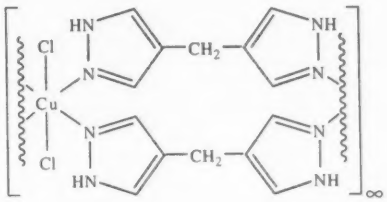

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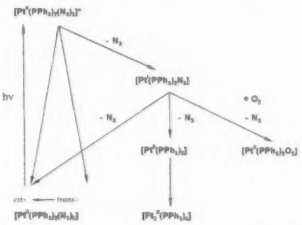

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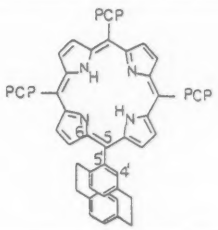

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$$[Mo^{V}O(O_2CC(S)CH_3Ph)_2]^- + (NO_3^- \text{ or } NO_2^-) \rightarrow [Mo^{VI}O_2(O_2CC(S)CH_3Ph)_2]^{2-} + (NO_2 \text{ or } NO)\ (2)$$

$$RSH + (NO_3^- \text{ or } NO_2^-) + H^+ \longrightarrow 1/2\ (RS)_2 + (NO_2 \text{ or } NO) + H_2O\ (3)$$

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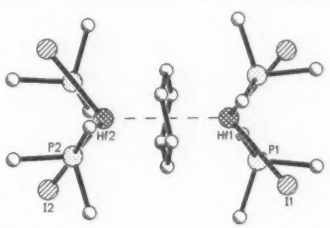

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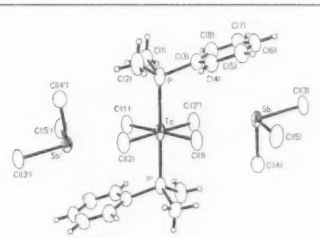

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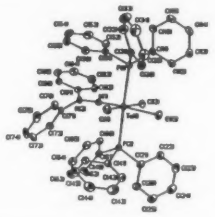

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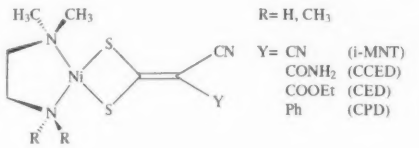

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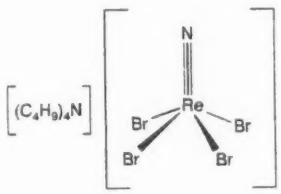

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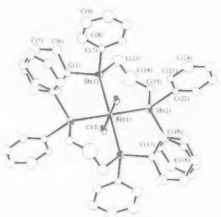

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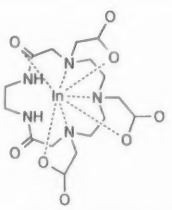

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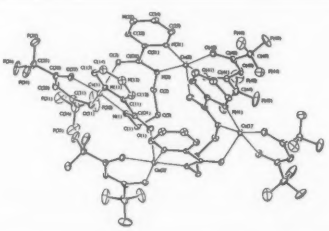

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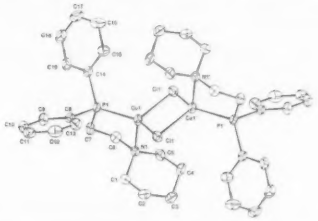

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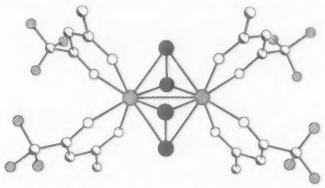

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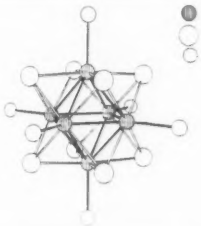

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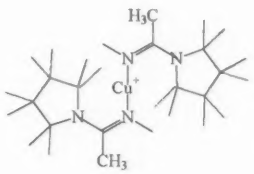

$Cu(C_6H_{12}N_2)_2^+ X^-$

X = Cl, Br

Structure; NQR Cu

No Cu-X interaction

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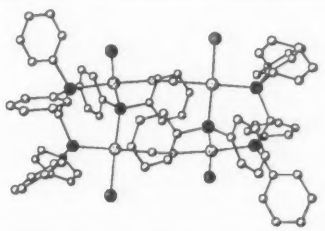

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$$[M_6X_{12}(C_2H_5OH)_6]X_2 + 6C_3H_7NO \xrightarrow{DMF} [M_6X_{12}(C_3H_7NO)_6]X_2 + 6C_2H_5OH$$

M = Nb, Ta; X = Cl, Br

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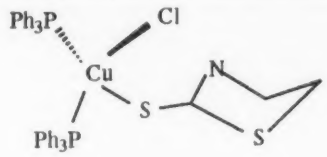

[Cu(PPh$_3$)$_2$(tzdtH)Cl]

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